



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Alexander Vainstein, et al.

Serial No. : 09/914,146

Filed : August 22, 2001

Title : TRANSGENIC PLANTS AND METHOD FOR TRANSFORMING  
CARNATIONS

Art Unit : ~~Unknown~~ 11638

Examiner : ~~Unknown~~ Helmer

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Commissioner for Patents  
Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT**

Applicants submit the documents listed on the attached form PTO-1449, a copy of which is enclosed. A copy of the International Search Report in the counterpart Israeli application no. PCT/IL 00/00110 is also enclosed.

This statement is being filed before receipt of a first Office action.

Please apply any charges to Deposit Account No. 06-1050, referencing 13687-002001.

Respectfully submitted,

Date: 4-10-02

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**CERTIFICATE OF MAILING BY FIRST CLASS MAIL**

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is added to the Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit April 10, 2002

Signature Deborah R. Nast

Typed or Printed Name of Person Signing Certificate  
Deborah R. Nast

Substitute Form PTO-1449 (Modified) <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR 1.98(b))	U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 13687-002001	Application No. 09/914,146
	Applicant Alexander Vainstein, et al.			
	Filing Date August 22, 2001		Group Art Unit	

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AB	WO 92/17056	Oct. 15, 1992	WIPO				
	AC	WO 96/39827	Dec. 19, 1996	WIPO				
	AD	WO 96/20595	Jul. 11, 1996	WIPO				
	AE	WO 97/35471	Oct. 2, 1997	WIPO				
	AF	WO 96/36716	Nov. 21, 1996	WIPO				
	AG	WO 94/28140	Dec. 8, 1994	WIPO				
	AH	WO 95/06741	Mar. 9, 1995	WIPO				
	AI	EP 0 486 233	May 20, 1992	EPO				
	AJ	WO 93/18142	Sept. 16, 1993	WIPO				
	AK	WO 97/15584	May 1, 1997	WIPO				
	AL	WO 98/50570	Nov. 12, 1998	WIPO				
	AM	WO 97/21816	Jun. 19, 1997	WIPO				
	AN	WO 99/37794	Jul. 29, 1999	WIPO				

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AO	M. Ovadis, et al. <i>A highly efficient procedure for generating carnation plants with novel traits.</i> Proceedings of the Nineteenth International Symposium on Improvement of Ornamental Plants. Breeding Ornamentals in the Future: Goals, Genes, Tools, Angers, France, 27-30 July, 1998. ACTA Horticulture (2000) 508:49-51.
	AP	M. Ovadis, et al. <i>Generation of transgenic carnation plants with novel characteristics by combining microprojectile bombardment with Agrobacterium tumefaciens transformation.</i> Current Plant Science and Biotechnology in Agriculture 36:189-192.
	AQ	A. Zuker, et al. <i>A highly efficient method for carnation transformation.</i> ACTA Horticulture (1997) 447:373-375.
	AR	E. Firoozabady, et al. <i>Efficient transformation and regeneration of carnation cultivars using Agrobacterium.</i> Molecular Breeding (1995) 1:283-293.

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 13687-002001	Application No. 09/914,146
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR § 1.88(b))		Applicant Alexander Vainstein, et al.	
		Filing Date August 22, 2001	Group Art Unit

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
.	AS	Tanaka Toshikazu, et al. <i>Metabolic engineering to modify flower color</i> . Plant and Cell Physiology 39(11):1119-1126.
?	AT	J. Dedio, et al. <i>Molecular cloning of the flavanone 3-beta-hydroxylase gene (FHT) from carnation (dianthus caryophyllus) and analysis of stable and unstable FHT mutants</i> . Theoretical and Applied Genetics, 90(5):611-617, 1995.
,	AU	L. Britsch, et al. <i>Molecular characterization of flavone-3'-beta'-hydroxylases</i> . European Journal of Biochemistry, Oct. 1993, 217(2):745-754.
-.	AV	Neal Gutterson. <i>Anthocyanin biosynthetic genes and their application to flower color modification through sense suppression</i> . Hortscience 30(5):964-966, 1995.
.	AW	Amir Zuker, et al. <i>Wounding by bombardment yields highly efficient Agrobacterium-mediated transformation of carnation (Dianthus caryophyllus L.)</i> . Molecular Breeding, 5(4):367-375, 1999.
.	AX	Amir Zuker, et al. <i>Transformation of carnation by microprojectile bombardment</i> . Scientia Horticulturae (Amsterdam), 64(3):177-185, 1985.
\	AY	Abed Watad, et al. <i>Adventitious shoot formation from carnation stem segments: A comparison of different culture procedures</i> . Scientia Horticulture (Amsterdam) 65(4):313-320, 1996.
.	AZ	A. Zuker, et al. <i>Genetic engineering for cut-flower improvement</i> . Biotechnology Advances 16(1):33-79, 1998.
,	AAA	A. Pellegrineschi, et al. <i>Improvement of ornamental characters and fragrance production in lemon-scented geranium through genetic transformation by agrobacterium rhizogenes</i> . Bio/Technology U.S., 12(1):64-68, 1994.
-	ABB	Zuker, et al. <i>Application of an integrative system based on microprojectile bombardment and agrobacterium tumefaciens to generate transgenic carnation plants with novel characteristics</i> . First International Congress On Plant Tissue and Cell Culture, Jerusalem, Israel, 1998
.	ACC	XP-000921439 Ovadis, et al. <i>Generation of Transgenic Carnation Plants with Novel Characteristics by combining microprojectile bombardment with agrobacterium tumefaciens transformation</i> . Plant Biotechnology and In Vitro Biology in the 21 <sup>st</sup> Century, pp. 189-192, 1999.
.	ADD	XP-000921438 Zuker, et al. <i>A highly efficient method for carnation transformation</i> .
.	AEE	XP-002140940 Firoozabady, et al. <i>Efficient transformation and regeneration of carnation cultivars using Agrobacterium</i> .
✓	AFF	XP-002140941 Zuker, et al. <i>Wounding by bombardment yields highly efficient Agrobacterium-mediated transformation of carnation (Dianthus caryophyllus L.)</i> .

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